

24,2300 (1068,1482,1538)

26707  
S/056/61/041/005/022/038  
B112/B104

AUTHOR: Lugovoy, V. N.

TITLE: Cyclotron resonance in an alternating magnetic field

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41,  
no. 5(11), 1961, 1562-1565

TEXT: The author studies the electric conductivity of an electron gas located in a homogeneous alternating magnetic field  $\vec{H}$  (with a constant component  $H_0$ ) and in an electric field  $\vec{E}_1$  induced by  $\vec{H}$ , and the absorption of the energy of a weak outer field  $\vec{E}_2 = E_{20} \cos \omega t$ .  $H_x = 0$ ,  $H_y = 0$ ,  $H_z = H_0 - H_1 \cos \omega t$  are the components of  $\vec{H}$ . The conductivity tensor  $\sigma$  of the electron gas is determined by the method of the classical electron theory. It is found that  $\sigma$  depends on the harmonic component of  $\vec{H}$  and on  $\vec{E}_1$ . If the induced field  $\vec{E}_1$  is strong, the expressions which the author

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Cyclotron resonance in an alternating...

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derives for  $\sigma$  hold only if  $\rho\tau \gtrsim 1$  ( $\tau$  is the time in which an electron traverses the mean free path). In this case the energy absorption of only that component of  $\vec{E}_2$  which is perpendicular to  $\vec{H}$  depends on  $H_1$ .

Negative absorption is impossible. The author thanks F. V. Bunkin for help and discussion. There are 5 references: 3 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: G. Dresselhaus, A. F. Kip, C. Kittel. Phys. Rev., 98, 368, 1955; B. Lax. Quantum electronics (Symposium), New York, 1960.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR  
(Physics Institute imeni P. N. Lebedev of the Academy of Sciences SSSR)

SUBMITTED: May 19, 1961

Card 2/2

LUGOVY, V. N.

Propagation of plane electromagnetic waves in a periodically  
non-steady state magnetoactive plasma. Izv. vys. ucheb. zav.;  
radiofiz. 5 no.5:901-907 '62. (MIRA 15:10)

1. Fizicheskiy institut imeni P. N. Lebedeva AN SSSR.

(Electromagnetic waves)  
(Plasma(Ionized gases))

9,2562

34496  
S/109/62/007/002/021/024  
D256/D303

AUTHOR: Lugovoy, V. N.

TITLE: Molecular generator with several natural frequencies

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 2, 1962.  
349 - 351

TEXT: The investigation is made in connection with the recent developments of molecular generators for the infrared and optical regions, where many frequencies of the resonator are found within the width of the radiation line. The equations of the generator are considered for sinusoidal oscillations assuming the natural frequencies of the resonator to be uniformly distributed within the radiation line and the corresponding modes of oscillations to have equal coefficients of interaction with the surrounding material. From these equations an equation was derived expressing the frequencies of the possible oscillation  $\omega$ . The solutions of the equation are discussed in terms of the separation  $\Delta\omega$  of the natural frequencies of the resonator compared with the width of the radiation line. Rela-

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Molecular generator with several ...

S/109/62/007/002/021/024  
D256/D303

tions are presented for determining the critical values of  $\Delta\omega$ , and it is shown that for values of  $\Delta\omega$  smaller than the critical one, the possible frequency of oscillation is unique irrespective of the position of the center of the radiation line with respect to the natural frequencies of the resonator. There are 6 references: 5 So-viet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: A.L. Schawlow and C.H. Townes, Phys. Rev., 1958, 112, 6, 940.

ASSOCIATION: Fizicheskiy institut im. P.N. Lebedeva, AN SSSR (Institute of Physics im. P.N. Lebedev, AS USSR)

SUBMITTED: June 15, 1961

Card 2/2

LUGOVY, V.N.

Electrodynamic properties of nonstationary plasma. Izv. vys. ucheb.  
zav.; radiofiz. 6 no.4:695-701 '63. (MIRA 16:12)

1. Fizicheskiy institut imeni P.N.Lebedeva AN SSSR.

LUGCOVOY, V.N.

Surface impedance for periodical nonstationary media. Radiotekh.  
i elektron. 8 no.9:1633-1636 S '63. (MIRA 16:9)

1. Fizicheskiy institut im. P.N.Lebedeva AN SSSR.  
(Electromagnetic waves)

LUGOVY, V.N.

Generalization of Cramers-Kronig ratios relative to media  
with periodically varying properties. Radiotekh. i elektron.  
8 no.11:1849-1854 N '63. (MIRA 17:1)

1. Fizicheskiy institut im. P.N. Lebedeva AN SSSR.

LUGOVY, V.N.

Fluctuations in periodically nonsteady-state systems. Izv. vys.  
ucheb. zav.; radiofiz. 7 no.1:113-123 '64. (MIRA 17:3)

1. Fizicheskiy institut imeni Lebedeva AN SSSR.

L 15187-65 EMT(1)/EWA(h) Peb SSD/AFETR/RAEM(a)  
ACCESSION NR: AP4048274

S/0141/64/007/004/0792/0796

AUTHOR: Lugovoy, V. N.

TITLE: Stability of sinusoidal oscillations of a <sup>25</sup>molecular generator

SOURCE: IUVZ. Radiofizika, v. 7, no. 4, 1964, 792-796

TOPIC TAGS: maser theory, laser theory, stability criterion

ABSTRACT: The region within which the sinusoidal oscillations of a maser remain stable is delineated for the general case when the natural cavity frequency does not coincide with the emission line of the medium. Earlier stability investigations were limited to the case when the two frequencies are equal. The Van der Pol method is used, with the secular equation of the system linearized and its equilibrium positions determined. The system is found always to be stable when  $\beta > 1/2$  ( $\beta = 2/\tau\omega_0 Q$ ,  $\tau$  = average transit time of molecules through cavity,  $\omega_0$  = central frequency of the emission line

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L 15187-65

ACCESSION NR: AP4048274

of the medium,  $Q$  = quality factor of the cavity oscillation mode.  
If  $\beta < 1/2$  the oscillations are stable only if the ratio of the initial number of active molecules to the threshold value does not exceed a certain limit. The critical value of this ratio is evaluated. Orig. art. has: 4 figures and 12 formulas.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva AN SSSR  
(Physics Institute, AN SSSR)

SUBMITTED: 14Oct63

ENCL: 00

SUB CODE: EC

NR REF SOV: 006

OTHER: 000

Card 2/2

ACCESSION NR: AP4038610

S/0109/64/009/004/0596/0606

AUTHOR: Lugovoy, V. N.

TITLE: Resonator parametric amplifier and oscillator

SOURCE: Radiotekhnika i elektronika, v. 9, no. 4, 1964, 596-606

TOPIC TAGS: amplifier, parametric amplifier, resonator amplifier, parametric oscillator, resonator oscillator

ABSTRACT: The theory of a resonator-type parametric amplifier, including the conditions necessary for self-excitation of a corresponding oscillator, is presented. It is assumed that the resonator is filled with a periodically non-stationary medium and that the resonator wall's conductivity is perfect. (The finite conductivity is also considered separately.) The field is determined which is excited in the resonator by near-monochromatic external currents of frequency  $\omega$  under the conditions  $\omega \approx \omega_r \approx p - \omega'_r$  and  $\omega \approx \omega_s \approx \omega'_s - np$ , where  $\omega_s$  and  $\omega'_s$

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ACCESSION NR: AP4038610

are the natural frequencies of the resonator,  $p$  is the frequency of the parametric variation of the medium,  $n = \pm 1, \pm 2, \dots$ . The total absorption in the resonator is also determined. A particular case when the resonator is filled with a three-level medium is used to illustrate the formulas. Orig. art. has: 50 formulas.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva AN SSSR (Institute of Physics, AN SSSR)

SUBMITTED: 01Apr63

DATE ACQ: 05Jun64

ENCL: 00

SUB CODE: EC

NO REF SOV: 010

OTHER: 005

Card 2/2

L 39680-65 EWA(k)/FBD/EWG(r)/EWT(l)/EEC(k)-2/EEC(t)/T/EEC(b)-2/ENP(k)/  
EWA(m)-2/EWA(h) Pm-4/Pn-4/Po-4/Pf-4/Peb/Pi-4/P1-4 IJP(c) WG  
ACCESSION NR: AP5010528

UR/0056/65/048/004/1216/1219

53  
52  
B

AUTHOR: Lugovoy, V. N.

21

TITLE: Stimulated Raman scattering in the anti-Stokes region

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 4, 1965,  
1216-1219

TOPIC-TAGS: Raman scattering, Stokes line, anti Stokes line, Raman emission,  
stimulated emission, Raman laser, Raman maser

ABSTRACT: The theoretical aspects of anti-Stokes radiation in stimulated Raman scattering are discussed. An analysis is conducted of the emission of a dipole molecule in a medium pumped by a light wave which is sufficiently intense to change substantially the electrodynamic properties of the medium. It is assumed that the dipole's emission is much less intense than that of the incident wave, so that only Stokes and anti-Stokes radiation is excited. Using the classical treatment, the authors show that the anti-Stokes radiation is emitted in cones around an angle defined with respect to the incident beam angle. This angle, however, is different from that derived by E. Garmire, F. Pandarese, and C. H. Townes (Phys. Rev. Lett., 11, 160, 1963). The difference between the results obtained in this paper and

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L 39680-65

ACCESSION NR: AP5010528

those of Garmire et al is attributed to the fact that the direction of anti-Stokes radiation does not coincide with that of its wave vector. Orig. art. has: 6 formulas.  
[CS]

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences, SSSR)

SUBMITTED: 15Feb65

ENCL: 00

SUB CODE: OP

NO REF SOV: 002

OTHER: 001

ATD PRESS: 3230

SP-2  
Card 2/2

L 34845-66 Ewr(1)/EWP(e)/EWT(m) WH

ACC NR: AP6018441

SOURCE CODE: UR/0051/66/020/006/0996/1002

AUTHOR: Lugovoy, V. N.

ORG: phone

TITLE: Theory of stimulated Raman scattering

SOURCE: Optika i spektroskopiya, v. 20, no. 6, 1966, 996-1002

TOPIC TAGS: stimulated Raman scattering, ruby laser, SCATTERING CROSS SECTION, RAMAN SPECTRUM

ABSTRACT: An expression is obtained for the stimulated Raman scattering of the first Stokes component under the condition that the arbitrarily shaped sample is outside a laser resonator and the intensity of the scattered radiation is much less than the incident radiation. The scattering cross section of a long rod is calculated. It is shown that this cross section grows rapidly with increase in incident radiation intensity and with increase in rod length. Polarization, angular distribution, and spectral width of the scattered radiation are determined. The stimulated Raman spectrum of intense ruby laser light differs from the ordinary Raman scattering in its intensity, directionality, narrowness of line, the presence of a threshold, appearance of anti-Stokes components in some cases, and the appearance of new components in the Stokes region which dominate only the strongest lines of the Raman spectrum. The material equation for the medium is derived and the case is examined in which the scattered light intensity is

UDC: 535.375 + 621.375.9 : 535.001.1

Card 1/2

52  
49

B

L 34845-66

ACC NR: AP6018441

3

much less than the incident light. The problem of the radiation of a dipole in an arbitrary uniaxial crystal is solved and the induced stimulated Raman scattering is calculated. The author thanks A. M. Prokhorov for guidance in the work, and F. V. Bunkin and V. K. Konyukhov for valuable discussions. Orig. art. has: 22 formulas. [14]

SUB CODE: 20/ SUBM DATE: 01Mar65/ ORIG REF: 007/ OTH REF: 014  
ATD PRESS: 5031

Card 2/2 ✓

L 46747-66 EWT(1)

ACC NR: AP6031955

SOURCE CODE: UR/0051/66/021/003/0293/0302

37  
B

AUTHOR: Lugovoy, V. N.

ORG: none

TITLE: Emission of the Stokes and anti-Stokes components of arbitrary orders in the case of stimulated Raman scattering

SOURCE: Optika i spektroskopiya, v. 21, no. 3, 1966, 293-302

TOPIC TAGS: nonlinear optics, ~~stimulated~~ Raman scattering, laser output, laser theory, MONOCHROMATIC RADIATION

ABSTRACT: Asymptotic expressions were derived for all the components of a radiation field of a monochromatic point dipole (the first Stokes frequency) in a medium due to stimulated Raman scattering (SRS). It was shown that the first Stokes component and all Stokes and anti-Stokes lines of higher orders are amplified in the medium together with the first Stokes line. Moreover, the gain of all components, except the first Stokes line, is determined by the gain of the first Stokes line. It was also established that all components, except the first Stokes line, are radiated under a given angle with respect to the direction of the incident wave. Expressions were derived for these angles and the corresponding widths, and it was established that these differ from the values calculated elsewhere (E. Garmire, F. Pandarese, C. H. Townes, Phys. Rev. Letters, 11, 1963, 160). The divergence of values was attributed

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UDC: 535.375+621.375.9:535.004.1

L 16717-36  
ACC NR: AP6031955

to a phase shift between the radiation and the wave vector of the components. The synchronism condition for the wave vectors in the radiating dipole case is satisfied only by the first anti-Stokes component for the plane wave model. Thus, in the case of the first Stokes component in an infinite medium, wave cones are radiated at fixed angles to the excitation wave vector. Upon emerging from the active region of the medium, these waves should be transformed into regular waves with wave vectors parallel to the pump. Since under normal experimental conditions the SRS components were observed after the emergence, the authors propose further analysis of their transformation in the course of emergence from the active region. Orig. art. has: 2 figures [YK]

SUB CODE: 20/ SUBM DATE: 12May65/ ORIG REF: 006/ OTH REF: 003/ ATD PRESS: 5089

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 2/2 BY SP2 2000

L 47557-66 EWT(1)

ACC NR: AP6032480

SOURCE CODE: UR/0056/66/051/003/0931/0935  
*25*  
*B*AUTHOR: Lugovoy, V. N.ORG: Physics Institute im. P. N. Lebedev, Academy of Sciences, SSSR (Fizicheskiy  
institut Akademii nauk SSSR)

TITLE: Stimulated Raman scattering in anisotropic media

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 3, 1966,  
931-935TOPIC TAGS: nonlinear optics, ~~stimulated~~ Raman scattering, anisotropic crystal,  
ANISOTROPIC MEDIUMABSTRACT: Stimulated Raman scattering (SRS) in anisotropic media was considered. It  
was shown that each SRS component except the first Stokes component consists of  
fundamental and auxiliary radiations. Both radiations are propagated at different  
(but fixed) angles to the incident wave. The auxiliary radiation is associated with  
wave interaction of various types inside the crystal and can be observed only over a  
certain range of crystal orientations. Expressions were derived for the angles and  
the corresponding angular width of SRS components. The results are based on the analy-  
sis of the radiation field of individual dipoles in an active medium. Orig. art. has:  
12 formulas.  
[YK]SUB CODE: 20/ SUBM DATE: 19Apr66/ ORIG REF: 005/ OTH REF: 005/ ATD PRESS:  
5092Card *nd* 1/1

L 04571-67 EWT(1)

ACC NR: AP6033436

SOURCE CODE: UR/0051/66/021/004/0432/0436

AUTHOR: Lugovoy, V. N.28  
B

ORG: none

TITLE: Emission of components of different orders in stimulated Raman scattering

SOURCE: Optika i spektroskopiya, v. 21, no. 4, 1966, 432-436

TOPIC TAGS: stimulated Raman scattering, stimulated emission, line width, laser output

ABSTRACT: This is a continuation of earlier work (Opt. i spektr. v. 21, 393, 1966) where asymptotic expressions were obtained for components of different order, emitted by a monochromatic point dipole at the first Stokes frequency in stimulated Raman scattering. The present article is devoted to the derivation of expressions for all the components. The active medium is assumed concentrated in a small sphere around the dipole and to be homogeneous in the absence of pumping. The computation procedure is similar to that used in the earlier paper. It is shown that all but the first Stokes component are emitted at definite angles to the direction of the pump wave vector. Expressions for these angles and for the line widths are obtained. It is established that these angles differ from the emission angles inside the active medium. The manner in which these components are eventually transformed into ordinary waves at larger distances is discussed. The ratio of the intensities of the different components of the stimulated Raman scattering is estimated. The author thanks A. M. Prokhorov for suggesting the topic and for interest in the work, and F. V. Bunkin for

Card 1/2

UDC: 535.375 + 621.375.9: 535

1. 04571-67

ACC NR: AP6033436

useful remarks. Orig. art. has: 18 formulas.

SUB CODE: 20/ SUBM DATE: 06Jul65/ ORIG REF: 001/ OTH REF: 001  
ATD PRESS: 5100

Card 2/2 vmb

L 7965-66

ACC NR: AP5025751

SOURCE CODE: UR/0286/65/000/018/0099/0099

AUTHORS: Strokov, S. A.; Isayenko, A. A.; Lugovoy, V. P.; Lyubitskiy, A. N.;  
Perunov, D. G.; Potapenko, V. L.

ORG: none

TITLE: Attachment to hay stacker-loader for loading of mineral fertilizers and  
other chemicals on planes and other transports. Class 45, No. 174870 [announced by  
Government Special Construction Office on Grain Removal Machinery (Gosudarstvennoye  
spetsial'noye konstruktorskoye byuro po kompleksu zernouborochnykh mashin)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 99

TOPIC TAGS: agricultural machinery, chemical loading, tractor attachment, agriculture

ABSTRACT: This Author Certificate presents an attachment to a hay stacker-loader for  
loading of airplanes and other transports with mineral fertilizers and granular  
chemicals. The attachment includes a working member in the shape of a scoop with  
connecting elements to the lifting boom of the loader (see Fig. 1). For loading of  
mineral fertilizers and grain chemicals, the tractor boom is equipped with a hinged  
extension frame for attachment of the scoop which is equipped with a door on the  
discharge side of the scoop. The door can be activated by the operator. A second  
version has the scoop pivot located at the top portion of the scoop to provide greater  
opening of the discharge opening. A third feature provides stops on the

UDC: 631.364.7:631.82

Card 1/2

L 7965-66

ACC NR: AP5025751

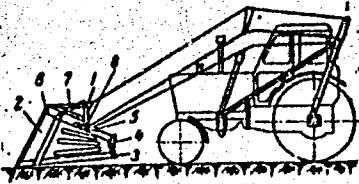


Fig. 1. 1- extension frame; 2- scoop; 3- unloading opening;  
4- door; 5 and 7- hydraulic cylinders; 6- front brackets;  
8- supports

extension frame to limit scoop rotation. Orig. art. has: 1 figure.

SUB CODE: IE/ SUBM DATE: 29May64

BC

Card 2/2

1. LUGOVY, V. S.: RAMAZAN, M.
2. USSR (600)
4. Kirghizistan - Hydroelectric Power
7. Electrification of agriculture in Kirghizistan and its power basis.  
Izv. KirFAN SSSR No. 7, 1947.
9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

LUGOVY, V. S.

Hydroelectric Power - Kirghizistan

Power resources of small Kirghiz rivers and ways of utilizing them for the needs of rural electrification. Trudy Sek. vod. kholz. KirFAN SSSRno 1, 1950

MONTHLY LIST OF RUSSIAN ACCESSIONS. Library of Congress, December 1952. UNCLASSIFIED.

LUGOVY, V.S.

Diagram of two-stage hydroelectric power stations at free flowing  
sections of main irrigation canals. Trudy Sekt.vod.khoz.KirZAN SSSR  
no.2:55-60 '50.  
(Kirghizistan-Hydroelectric power stations)

LUGOVY V.S.; RAMAZAN, M.S.

New type of continuous water intake installation for mountain streams. Trudy Sekt.vod.khoz.KirFAN SSSR no.2:61-68 '50.  
(Hydraulic engineering) (MIRA 8:1)

LUGOVY, V.S.

Local electric power systems as the power base for electrification  
of main agricultural regions of Kirghizia. Izv.KirFAN SSSR no.1/10:  
99-109 '51.  
(Kirghizistan--Electric power plants) (Kirghizistan--Rural  
electrification)

LUGOVY, V.S.; SAPOZHNIKOV, A.B.

Method of computing energy consumption and schedule plotting  
of the load of local electric power systems. Trudy Sekt.vod.  
khoz. KirFAN SSSR no.3:61-86 '51. (MLRA 8:1)  
(Electric power distribution)

LUGOVY, V.S.; BOL'SHAKOV, M.N.; SAPOZHNIKOV, A.B.

Characteristics of local power systems in piedmont districts of  
Kirghizistan. Trudy Inst.vod.khoz.i energ.AN Kir.SSR no.1:41-80 '54.  
(MLRA 9:11)

(Kirghizistan--Hydroelectric power)  
(Kirghizistan--Rivers)

LUGOVY, V.S.

LEVIN, M.S.; LUGOVY, V.S.; KRYUKOV, A.A.

Static and dynamic stability of local power systems in piedmont  
districts of Kirghizistan. Trudy Inst.vod.khoz.i energ. AN Kir.  
SSR no.1:81-118 '54. (MLRA 9:11)  
(Kirghizistan--Electric power distribution)

IUGOVY, V.S.

Resonance circuits with loss compensation. Izv.AN Kir.SSR no.1:47-59  
'55. (Electric switchgear--Testing) (MIRA 9:9)

LUGOVY, V.S.

Advantages of combining rural hydroelectric power stations in local  
power systems. Trudy Inst.vod.khoz.i energ.AN Kir.SSR no.2:19-36 '55.  
(MLRA 9:11)

(Kirghizistan--Electric power distribution)

Lugovoy, V. S.

BOL'SHAKOV, M.N.; LUGOVY, V.S.

The problem of the Greater Maryn. Izv. AN Kir. SSR no.3:3-16 '56.  
(Maryn River--Hydroelectric power stations) (MLRA 10:4)

LUGOVY, V.S.; POSTNIKOV, I.M.

Method for the electrical calculation of resonant circuits with  
compensation of losses. Trudy Inst.vod.khoz.i energ.AN Kir.SSSR  
no.3:97-112 '56.

(Electric circuits)

LUGOVY, V.S.: LEVITOY, V.I.: VOLYNKIN, V.G.: GRECHKO, G.V.: APOSTOLATOV, G.A.

~~Experimental basis of electrotechnical research on the "Greater Naryn" project. Izv. AN Kir.SSR no.4:69-88 '57. (MLES 10:7)~~  
(Naryn river--Hydroelectric power stations)

LUGOVOY, V.S.

LUGOVOY, V.S.; DIDENKO, V.P.; BURBO, V.I.

Prospective schemes for supplying electricity to rural regions  
of Kirghizia. Trudy Inst. vod. khoz. i energ. AN Kir. SSR no.4:  
137-160 '57. (MIRA 10:12)  
(Kirghizistan--Rural electrification)

LUGOVY, V. S

"Resonance Circuits with Loss Compensation for Checking the Resistivity of an  
Arc-Eliminating Apparatus,"

Dissertation for the Degree of Candidate of Technical Sciences, defended at  
Institute for Power Engineering imeni Krzhizhanovskiy AS USSR, (Elektrichestvo.  
1958, Mr 4, pp 86-87) 23.7.6-14.7.0

LUGOVY, V.S.; APOSTOLATOV, G.A.; VOLYNKIN, V.G.; GRECHKO, G.V.;  
ZHUKOV, N.N.

Factors to be considered in calculating and designing electric power  
transmission lines in Kirghizistan. Izv. AN Kir. SSR. Ser. est. i  
tekh. nauk 1 no. 4:3-32 '59. (MIRA 14:4)  
(Kirghizistan--Electric lines)

PLAN I FOR EXPORTATION

Sov/3407

Academy's next issue. Energeticheskiy Institut im. G.M. Frishmanovskogo  
 Publishing series: "Obzor po voprosakh elektricheskogo stroitelstva i proizvodstva" (Collection of Articles Dedicated to Acade-  
 my of Sciences USSR). Moscow, 1959. 801 p. Extra slip inserted.  
 2,500 copies printed.

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 K.F. Chumakov, M.I. Bogdanov, Candidate of Technical Sciences, H.K. Khailov,  
 Candidate of Technical Sciences, N.M. Lelashvili, Candidate of Technical Sciences,  
 and I.M. Sandukov.

REPORT: This collection of articles is intended as a tribute to the memory

of Academician G.M. Frishmanovskiy.

CONTENTS: The collection contains sixty articles by former students and  
 co-authors of the deceased Academician. The articles deal with problems  
 of a wide range of subjects in the field of power engineering: problems  
 of the regional development of electrical and thermal power engineering,  
 power engineering technology and the physics of combustion. No personalities  
 are mentioned. References are given after most articles.

Gordik, Sh.Ch. Power Engineering and the School of Power Engineering 1a	22
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Monastyrskaya, A.M. Calculated Equations and Indices for a Cooperative Evaluation of the Power of Various Types of Extraction Condensing Type Turbines 125	125
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LUGOVY, V.S., kand.tekhn.nauk

Conference on the transmission of electric power in high  
mountains. Elektrичество no.10:88-89 o '60. (MIRA 14:9)  
(Electric power distribution—Congresses)

BOL'SHAKOV, M.N.; KOLOSOV, I.S.; LUGOVOY, V.S.; MATVEYENKO, A.I.

Prospects of developing electric power in Kirghizistan in the near  
future. I.AN Kir. SSR. Ser.est.i tekhnauk 2 no.7:5-23 '60.  
(MIRA 14:4)

(Kirghizistan—Electric power)

LUGOVY, V.S.

Possibilities of using d.c. power transmission in mountainous areas.  
I.AN Kir.SSR.Ser.-st.i tekhn.nauk 2 no.7/25-42 '60. (MIRA 14:4)  
(Soviet Central Asia--Electric power distribution--Direct current)

IUGOVY, V.S.

Mountain station of the Kirghiz Academy of Sciences. Vest.AN  
SSSR 30 no.6:98-99 Je '60. (MIRA 13:6)  
(Corona (Electricity)) (Electric engineering)

BOL'SHAKOV, M.N., otv. red.; KARAKHEYEV, K.K., red.; BOL'SHAKOV, M.N., red.;  
LUGOVY, V.S., red.; KOVALENKO, B.G., red.; SPIRIDONOV, N.V., red.;  
PANKOV, S.S., red.; ANOKHINA, M.G., tekhn. red.

[Basic materials of the First Republic Conference of Power Engineers  
of Kirghizistan] Osnovnye materialy Pervogo Respublikanskogo sove-  
shchaniia energetikov Kirgizii, Frunze, Izd-vo AN Kirgizskoi SSR, 1961.  
74 p.  
(MIRA 14:11)

1. Respublikanskoye soveshchaniye energetikov Kirgizii. 1st, Frunze,  
1960.

(Kirghizistan--Power engineering)

POPKOV, V.I., otv. red.; LEVITOV, V.I., kand. tekhn. nauk, red.;  
LUGOVY, V.S., kand. tekhn. nauk, red.; APOSTOLATOV, G.A.,  
inzh., red.; ANOKHINA, M.G., tekhn. red.

[Problems of electrical engineering in high mountains; problems  
of electric power transmission in mountainous areas in the  
U.S.S.R.] Problemy vysokogornoj elektrotekhniki; voprosy  
elektroperedachi v gornykh raionakh SSSR. Frunze, Izd-vo Akad.  
nauk Kirgizskoi SSR, 1961. 309 p. (MIRA 15:9)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut energetiki  
vodnogo khozyaystva. 2. Chlen-korrespondent Akademii nauk SSSR  
(for Popkov). 3. Energeticheskiy institut im. G.M.Krzizhanov-  
skogo (for Levitov). 4. Institut energetiki i vodnogo khozyay-  
stva Kirgizskoy SSR (for Lugovcy, Apostolatov).

(Electric lines--Overhead)  
(Electric power distribution)

LUGOVY, V.S., kand.tekhn.nauk

Transmission of direct current in mountainous regions. Vest. AN  
SSSR 31 no.10:98-101 O '61. (MIRA 14:9)  
(Soviet Central Asia--Electric lines)

S/269/63/000/002/001/037  
A001/A101

AUTHOR: Lugovoy, V. S.

TITLE: On the prospect of establishing a large many-sided high-mountain station of the Academy of Sciences, Kirghiz SSR, at the Tyuz-Ashu pass

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 2, 1963, 3, abstract 2.51.27 ("Izv. AN KirgSSR. Ser. yestestv. i tekhn. n.", 1962, v. 4, no. 2, 165 - 174, Kirghiz. summary)

TEXT: The author raises the problem of establishing a large many-sided high-mountain station of AS KirghizSSR at the Tyuz.Ashu pass located 128 km from the town of Frunze at an altitude of ~ 3,600 m. If the corresponding experimental background is provided, the station can conduct various investigations in fields of astronomy, cosmic rays, physics of atmosphere, radio engineering, high-mountain electric engineering, heliotechnology, etc.

L. N.

[Abstracter's note: Complete translation]

Card 1/1

LUGOVY, V.S., kand. tekhn. nauk

Conference on electric power transmission lines in mountainous  
regions. Elektrichestvo no.5:90-91 My '63. (MIRA 16:7)

(Electric lines—Overhead)

LUGOVY, V.S., kand. tekhn. nauk

Conference on electric power lines in high mountains. Elektrichestvo  
no.6:94-96 Je '65. (MIRA 18:7)

L 22590-66

ACC NR: AP6013003

SOURCE CODE: UR/0105/65/000/006/0094/0096

AUTHOR: Lugovoy, V. S. (Candidate of technical sciences)

ORG: none

TITLE: Conference on high-mountain electrical power transmission

SOURCE: Elektrичество, no. 6, 1965, 94-96

TOPIC TAGS: power transmission, electric engineering conference, electric insulation

ABSTRACT: The III koordinatsionnoye i nauchno-tehnicheskoye soveshchaniye po vysokogornym elektroperedacham (Third Coordinating and Scientific-Research Conference on High-Mountain Electrical Power Transmission) was held from 1 to 3 October of 1964 in Frunze.

It was sponsored by the Gosudarstvennyy komitet Soveta Ministrov Kirgizskoy SSR po koordinatsii nauchno-issledovatel'skikh rabot (State Committee for the Coordination of Scientific Research, at the Council of Ministers of the Kirgiz SSR), Kirgizskoye respublikanskoye pravleniye nauchno-tehnicheskogo obshchestva energeticheskoy promyshlennosti (Kirgiz Republic's Board of the Scientific-Engineering Society of Power Industries), Glavnoye upravleniye energetiki i elektrifikatsii pri Sovete Ministrov Kirgizskoy SSR

UDC: 621.311.1

Card 1/2

3/  
B

Z

L 22590-66

ACC NR: AP6013003

(Main Administration for Power and Electrification at the Council of Ministers of the Kirgiz SSR), and Kirgizskiy nauchnoissledovatel'skiy otdel energetiki Glavtekhnostroyprojekta Gosudarstvenno go proizvodstvenno go komiteta po energetike i elektrifikatsii SSSR (the Kirgiz Scientific-Research Power Department of the Glavtekh-stroyprojekt of the State Production Committee for Power and Electrification of the USSR). One hundred sixty specialists from 55 pedagogic, scientific, and industrial organizations participated in the conference. The conference discussed the basic problems concerning the construction of high-voltage transmissions in the mountain regions of the Soviet Union. Presented were 37 original papers, 4 survey papers, and 2 supplementary communications whose titles are listed in this article. They covered mainly 1) the design and construction of high mountain power lines; 2) the study of natural conditions for high mountain power transmission operation; and 3) the problems of insulation, corona, and various equipment. A summary of the conclusions and numerous recommendations of the conferences is also given. [JPRS]

SUB CODE: 10, 09 / SUBM DATE: none

Card 2/2 *la!*

LUGOVY, V.V.

Combined locker for clothing. Gig.i san. 26 no.1:77-78 Ja '61.  
(MIRA 14:6)

1. Iz Respublikanskoy sanitarno-epidemiologicheskoy stantsii  
Ministerstva zdravookhraneniya Gruzinskoy SSR.  
(CLOTHES CLOSETS)

LUGOVY, V.V. (Luhovoy, V.V.)

Industrial development of the Donets-Volyn' Coal Basin. Cherkasy  
zhir. no. 5116-122 '62.

LUGOVY, V.V.

Characteristics of blood pressure in workers of high-mountain  
logging camps in Georgia. Trudy Inst. klin. i eksper. kart.  
AN Gruz. SSR 8:293-296 '63. (MIRA 17:7)

1. Nauchno-issledovatel'skiy institut gigiyeny truda i  
professional'nykh zabolеваний imeni Makhviladze Ministerstva  
zdravookhraneniya Gruzinskoy SSR, Tbilisi.

LUGOVY, V.V.

Prospects for developing the Lvov-Volyn' Coal Basin. Geog.  
zbir. no.7:90-96 '63. (MIRA 17:12)

LUGOVYI, V. I.; NEDAYVOD, M.N.

Mechanical brush for cleaning metal form guards. Rats. i izobr.  
predl. v strel. no.126:9 '55. (MLRA 9:7)  
(Concrete construction--Formwork)

LUGOVY, Ye.V.

Ways for increasing the productivity of milk cattle in the Yakut  
A.S.S.R. Uch.zap. IAGU no.6:5-18 '59. (MIRA 13:12)  
(Yakutia---Dairying)

1. LUGOVY, Z.
2. USSR (600)
4. Telegraph Lines--Poles
7. Extending the life of poles in overhead communication lines, Sov. sviaz, 3, No. 4, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

LUGOVY, Z.K.

New device for locating damages in communication lines. Vest.  
sviazi 24 no.2:10-12 F '64. (MIRA 17:4)

1. Nachal'nik uchastka Poltavskogo ekspluatatsionno-tehnicheskogo  
uzla.

CHUMAKOV, Yu.I.; LUGOVSKAYA, L.P.

New synthesis of 4-phenylpyridine. Zhur. ob. khim. 34 no.10:  
3515-3516 0 '64. (MIRA 17:11)

1. Kiyevskiy politekhnicheskiy institut.

LUGOVSKAYA, M.A.; POKROVSKAYA, I.A.

Errors in checking thermoelectric actinometers and pyranometers.  
Trudy GGO no.61:120-134 '56. (MIRA 10:7)  
(Actinometer) (Pyranometer)

Akademika SSSR  
Institut mashinovedeniya

PHASE I BOOK EXPLOITATION SOV/5013

Akademiya nauk SSSR. Institut mashinovedeniya

Issledovaniya v oblasti obrabotki metallov davleniyem (Investigations in the Field of Metal Pressworking) Moscow, Izd-vo AN SSSR, 1960. 66 p. Errata slip inserted. 4,200 copies printed.

Resp. Ed.: A.D.Tomlenov; Ed. Of Publishing House: G.Ye. Pevzner; Tech. Ed.: S.P. Golub'.

PURPOSE: This collection of articles is intended for engineers, designers, and scientific research workers engaged in the plastic working of metals.

COVERAGE: Articles of the collection deal with the following problems: tensile stresses in metal during forging and cross-rolling; deformation of a membrane in bulging by hydraulic pressure; intensification of plastic deformation in stamping; contact area under the state of stress in helical cross-rolling on a three-roll mill; testing of sheet steel for biaxial tension by the method of bulging a membrane under hydraulic pressure; deformability of sheet steel; determination of the quality of industrial lubricants used in the cold stamping of sheet steel;

Card 1/3

## Investigations in the Field (Cont.)

SOV/5013

determination of the quality of carbon sheet steel; and the temperature field of a blank in the hot stamping of steel plates. No personalities are mentioned. Each article contains conclusions based on investigations. References, predominantly Soviet, accompany most of the articles.

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Tomlenov, A.D. On the Tensile Stresses in Metal During Forging and Cross-Rolling	3
Golovlev, V.D. Deformation [of a Membrane] in Bulging by Hydraulic Pressure	12
Katkov, V.F. Problems of Intensifying the Plastic Deformation in Stamping	15
Lugovskaya, V.M., and Ye.M. Tret'yakov. Investigations Based on the Theory of Slip-Line Fields in the Contact Area Under State of Stress During Helical Cross-Rolling on a Three-Roll Mill	25
Shcheglov, B.A. On the Problem of Testing Sheet Steel for Biaxial Tension by the Method of Bulging [a Membrane] Under Hydraulic Pressure	38

Card 2/3

VISHNEVSKIY, A.S. [Vyshnevs'kyi, A.S.]; MARKHASEV, B.I. [Markhas'ov, B.I.];  
LUGOVSKAYA, Ye.S. [Luhova'ka, E.S.]

Fayalite from the scale formations on iron castings. Dop.  
AN URSR no. 10:1354-1357 '61. (MIRA 14:11)

1. Institut liteynogo proizvodstva. Predstavлено академиком  
АН USSR N.P.Semenko [Semenko, M.P.].  
(Fayalite)  
(Iron founding)

MARKHASEV, B.I.; LUGOVSKAYA, Ye.S.

Effect of reactions between the metal and the mold on the sand  
sticking process. Lit. proizv. no.1:25-28 Ja '62. (MIRA 16:8)

(Molding (Founding))

DMITRENKO, P.A. [Dmytrenko, P.O.]; LUGOVSKAYA, Ye.Ya. [Luhovs'ka, K.IA.];  
TOMASHEVSKAYA, Ye.G. [Tomashevs'ka, O.H.]

Characteristics of the nutrition of grain crops and legumes in  
their mixed sowing. Dop. AN UkrSR no.9:1225-1228 '65.

(MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut zemledeliya.
2. Chlen-korrespondent AN UkrSSR (for Dmitrenko).

LUGOVSKIKH, P.A., elektromekhanik

Change in the antenna download on TE3 diesel locomotives. Avtom.,  
telem. i sviaz' 5 no.11:39 N '61. (MIRA 14:11)

1. Ayaguzskaya distantsiya signalizatsii i svyazi Kazakhskoy dorogi.  
(Railroads--Communication systems)  
(Diesel locomotives--Electronic equipment)

LUGOVSKIY, A.I., inzh.

Molding concrete tile slabs using box forms. Rats. i izobr. predl.  
v stroi. no.5:22-26 '58. (MIRA 11:6)  
(Concrete slabs) (Molding machines)

LUGOVSKII, I.P.

Safeguarding workers in the manufacture of aluminum ware.  
Zdrav. Kazakh. 17 no.7:15-16 '57. (MIRA 12:6)

1. Iz Alma-Atinskoy gorodskoy sanitarno-epidemiologicheskoy  
stantsii. (ALUMINUM INDUSTRY AND TRADE--HYGIENIC ASPECTS)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001030720009-9

LUGOVSKIY, M. V.

"Operation of Hydraulic Equipment in Rural Hydroelectric Power Stations", Sel'khozgiz, 168 pp, 1950.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001030720009-9"

ACC NR: AP6035759

(A,N)

SOURCE CODE: UR/0413/66/000/019/0130/0131

INVENTOR: Slavin, R. M.; Usakovskiy, V. M.; Babakhanov, Yu. M.; Lugovskoy, M. V.

ORG: none

TITLE: Hermetic electric pump. Class 59, No. 186862. [announced by the All-Union Scientific Research Institute for Rural Electrification (Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 130-131

TOPIC TAGS: ~~mechanical engineering~~, fluid pump, hydraulic pump, electric motor

ABSTRACT: An Author Certificate has been issued for a hermetic electric pump consisting of a housing containing a pump and an electric-drive motor with an outer rotor and a female stator, the pump is cooled by a part of the fluid which is transferred from the discharge to the suction nozzle. To simplify design and intensify cooling, the pump's working members are located on the surface of the rotor or of the rotor and the electric-motor housing, and the winding of the stator is designed for the direct transfer of the cooling flow through the stator's slots. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 26Apr65/

Card 1/1

UDC: 621.67-83

GLADKIY, M.I. [deceased]; SHANIN, G.A.; IODKO, Ye.K.; MANAYENKOV, S.D.; MIKHAYLOV, E.A.; GRIBOVA, Ye.N.; LUGOVSKIY, P.P.; KULESHOV, S.M.; SHATOV, A.I.; SHNYREVA, N.N.; ISHKOVA, V.M.; LYKOV, A.I.; TYULYAYEV, A.N., ~~otv. red.~~; SIDOROVA, T.S., red.; SHEFER, G.I., tekhn. red. ....

[Determining the economic efficiency of new machinery in the communication system] Opredelenie ekonomiceskoi effektivnosti novoi tekhniki v khoziaistve sviazi; informatsionnyi sbornik. Moskva, Sviaz'izdat, 1962. 174 p. (MIRA 16:3)  
(Communication and traffic--Technological innovations)

LUGOVSKII, S. I.

MINE ENGINEERING

Computing ventilation of mine shafts. Gor. zhur. no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

*RPS*  
*Q. 1000 S. 500*  
Name: LUGOVSKIY, Sergey Ivanovich

Dissertation: Ventilation of Ore Mines after Mass Explosions

Degree: Doc Tech Sci

Affiliation: Krivoy Rog Mining Inst

Defense Date, Place: 1 Jul 55, Council of Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst

Certification Date: 7 Jul 56

Source: BMVO 5/57

LUGOVSKIY, S.I., kandidat tekhnicheskikh nauk, dotsent; RED'KO, I.A., gornyy  
Inzhener

Sudden gas generation when drawing cut ore. Gor.zhur. no.6:59-62  
Je '55. (Mine gases) (Mining engineering--  
Safety measures) (MLRA 8:8)

Lugovskiy, S.I.

STESHENKO,A.I.; ZHURAVLEV,S.P.; TARAN,P.N.; KUDRYASHOV,K.V.; ZHUKOV,M.N.;  
HELYY,P.L.; KADYRVAYEV,R.A.; PASTUSHKIN,P.M.; SHOSTAK,A.G.; OSTRO-  
UKHOV,A.I.; POLOWSKIY,M.I.; OSTROUKHOV,I.I.; LUGOVSKIY,S.I.; SE-  
MENKO,P.I.; KHOROSHEV,O.V.; IBRAYEV,Sh.I.; NEIKOV,U.D.

"Dust control in the mines of Krivoy Rog Basin." V.V.Nedin. Re-  
viewed by A.I.Steshenko and others. Gor.zhur. no.9:61-62 S '55.  
(MLRA 8:8)

(Krivoy Rog--Mine dusts) (Nedin,V.V.)

SVINARENKO, D.M; LUGOVSKIY, S.I.; RED'KO, I.A.; SEMENKO, P.I.

Progressive work practices in the Novaya iron ore mine. Ger. zhur.  
no.10:12-18 O '55. (MIRA 9:2)  
(Krivoy Rog--Iron mines and mining)

15-57-10-14974

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,  
p 276 (USSR)

AUTHORS: Lugovskiy, S. I., Red'ko, I. A.

TITLE: The Effect of Explosive Operations in Open Pits on Gas  
Contamination in Subsurface Mine Workings (Vliyanie  
vzryvnykh rabot v kar'yere na zagazovannost' podzem-  
nykh vyrabotok shakhty)

PERIODICAL: Sb. tr. Krivorozhsk. gornorudn. in-t, 1956, Nr 5,  
pp 59-65

ABSTRACT: During simultaneous use of open-pit and subsurface  
methods of ore extraction and during subsurface mine  
operations coupled with open-pit work in which  
explosives are used for blasting, there is possible  
danger from gas contamination in the mine when the  
ventilators of the mine work by suction. The author  
describes instances in two mines of the Krivoy Rog  
basin where gas has fouled the air in subsurface

Card 1/2

15-57-10-14974

The Effect of Explosive Operations in Open Pits (Cont.)

workings after explosions in open pits.  
Card 2/2

A. I. Rychkov

(S)

LUGOVSKIY, S.I., professor, doktor tekhnicheskikh nauk; SEMENKO, P.I., gornyy inzhener; RED'KO, I.A., gornyy inzhener.

Rapid major repairs of reinforced shaft linings. Gor. zhur. no.7:  
54-56 Jl '57. (MIRA 10:8)

(Shaft sinking)  
(Mine timbering--Maintenance and repair)

*Lugovskiy, S.I.*

127-12-9/28

AUTHORS: Lugovskiy, S.I., Professor, Doctor of Technical Sciences and  
Dymchuk, G.K. and Gershun, O.S., Mining Engineers

TITLE: On the Reserve of Air for Mine Ventilation (O rezerve vozdukha  
dlya provetrvaniya rudnikov)

PERIODICAL: Gornyy Zhurnal, 1957, No 12, pp 33-35 (USSR)

ABSTRACT: The amount of air for ventilation of mines is computed usually by taking into account an approximate coefficient of reserve. In a series of cases the calculated air quantity proved to be insufficient for the ventilation of mines. One of the reasons for this insufficiency are the considerable leakages through caved workings. A part of them, however, can be eliminated, and the total amount of leakages can be reduced by 70%. It is therefore recommended to increase the value of the air reserve coefficient from 1.1 or 1.25 as used presently to 1.4 up to 1.6, even after taking into account the leakage reduction. The article contains 2 tables.

AVAILABLE: Library of Congress

Card 1/1

IUGOVSKIY, Sergey Ivanovich; YAKHONTOV, A.D., red.; PARTSEVSKIY, V.N.,  
red. izd-va; ISLENT'YEV, P.G., tekhn. red.

[Ventilating mines after large explosions] Provettrivanie shakht  
posle massovykh vzryvov. Moskva, Gos. nauchno-tekh. izd-vo lit-ry  
po chernoi i t svetnoi metallurgii, 1958. 272 p. (MIRA 11:8)  
(Mine ventilation)

LUGOVSKIY, S.I., prof., doktor tekhn. nauk; KANDYBA, M.I., kand. tekhn. nauk;  
TESIPENKO, G.I., gornyy inzh.; STARIKOV, N.I., gornyy inzh.

"Principles of mining by I.S. Volkov. Reviewed by S.I. Ingovskii  
and others. Gor. zhur. no.2:77-78 F '58. (MIRA 11:3)

1. Krivorozhskiy gornorudnyy institut.  
(Mining engineering)  
(Volkov, I.S.)

LUGOVSKIY, S.I., prof.. doktor tekhn.nauk; BELASH, F.N., prof., doktor tekhn.nauk; STESHENKO, A.I., prof.; KITACH, G.M., dots.; GOLUBOV, N.A., dots.; MARTYNOV, dots.

V.V. Kulikova's article "Regular pattern of flow of loose materials.". Nauch.dokl.vys.shkoly; gor.delo. no.4:41-46  
'58. (MIRA 12:1)

(Ore handling)

LUGOVSKIY, S.I.

Scientific and technical conference. Izv.vys.ucheb.zav.; gor.zhur.  
no.5:120 '58. (MIRA 12:1)  
(Mining engineering)

SOV-127-58-8-6/27

AUTHORS: Lugovskiy, S.I., Doctor of Technical Sciences; Professor,  
Khivrenko, A.F. and Red'ko, I.A., Mining Engineers

TITLE: The Reconstruction of the Inclined Shaft of the Mine Imeni  
Kirov (Rekonstruktsiya naklonnogo stvola shakty im. Kirova)

PERIODICAL: Gornyy zhurnal, 1958, Nr 8, pp 35-37 (USSR)

ABSTRACT: The authors describe the reconstruction of installations in  
the inclined shaft in the mine imeni Kirov. This was neces-  
sitated by the deepening of the shaft from 326 m to 400 m.  
There are 2 diagrams and 1 photo.

ASSOCIATION: Krivorozhskiy gornorudnyy institut (The Krivoy Rog Ore-Mining  
Institute)

1. Mines--Operation 2. Mining engineering

Card 1/1

LUGOVSKIY, S.I., doktor tekhn.nauk, prof.

Theory of the outflow of gaseous blasting products from stopes.  
Sbor. nauch. trud. KGRI no.7:172-186 '59. (MIRA 16:9)  
(Blasting) (Mine gases)

LUGOVSKIY, S.I., doktor tekhn.nauk; KHIVRENKO, A.F., inzh.; RED'KO, I.A.,  
inzh.

Rapid completion of levels in the Krivoy Rog iron ore basin. Biul.  
TSIICHM no.10:12-17 '60. (MIRA 15:4)  
(Krivoy Rog Basin--Iron mines and mining)

BUKHMAN, Yakov Zakharovich; BAKIROV, Urkhan Khakimzhanovich;  
LUGOVSKIY, S.I., doktor tekhn. nauk, prof., retsenzent;  
KLEBANOV, F.S., otv. red.; GRISHAYENKO, M.I., red. izd-va;  
GALANOVA, V.V., tekhn. red.

[Local ventilation in metal mines] Mestnoe provetrvianie na  
metallicheskikh rudnikakh. Moskva, Gos. nauchno-tekh. izd-  
vo lit-ry po gornomu delu, 1961. 198 p. (MIRA 15:3)  
(Mine ventilation)

LUGOVSKIY, S.I., prof., doktor tekhn.nauk; DYMCHUK, G.K., gornyy inzhener

Improve mine ventilation systems. Gor.zhur. no.5:39-33 My '61.  
(MIRA 14:6)

1. Krivorozhskiy gornorudnyy institut.  
(Mine ventilation)

LUGOVSKIY, S.I., doktor tekhn.nauk; ZASLAVSKIY, S.I. , kand.tekhn.nauk;  
MALYY, P.S., inzh.; OVCHINNIKOV, A.M., inzh.

"Mining and mine timbering" by G.D. Chuprunov. Reviewed 'v  
S. I. Lugovskii and others. Shakht. stroi. 5 no. 3:29-30  
Mr '61. (Mine timbering) (Mining engineering)

EDGOVSKY, S.I., prof., doktor tekhnicheskikh Nauk; POKROVSKIY, G.M., inzh.; KOROLENKO,  
N.P., inzh.

Efficient methods of ventilating stop blocks during the mining  
of thick ore deposits. Izbr. nauchn. trud. RGGU no.10966-79 '61  
(WFA 178)

1. Stvetstvennyy redakcyon zhurnal "Izbrannik nauchnykh trudov  
Krivorozhskogo gornomislodgo instituta" (for Lugovskiy)

LUGOVSKY, A.I., prof., doctor tekhn. nauk; CHUPRINOV, A.V., dotsent, kand. tekhn. nauk

Rapid shaft sinking at the "Gigant" Glubokaya Mine. Sbor. nauch. trud. KGRU no.10:93-96'61 (MIRA 17:8)

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